

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Currently Amended) A heat exchanger element comprising:

a stack of hollow plates formed by compression of an accordion-shaped polymer preform produced by thermo-blowing and having biconvex bellows;

two transverse feed manifolds connecting the stack of hollow plates and feeding into connecting branches, wherein the stack of hollow plates and the two transverse feed manifolds form a single active part without assembly or welding,

wherein the internal faces of the walls of all the hollow plates are without contact with each other, and the external faces of the walls of two contiguous hollow plates are without contact with each other,

wherein the internal and external faces of the walls of all the hollow plates are at all points separated respectively from one another by narrow, substantially constant, spaces, wherein each hollow plate is symmetrical with another hollow plate and both communicate through a side of a channel common to all the plates, in order to form and the internal faces of the walls of a pair of hollow plates constituting form an elementary conduit of the active part,

and wherein each elementary conduit of the single active part has two elongated hollow central portions, the ends of which are connected by two hollow end connectors through which the two transverse feed manifolds of the heat exchanger element pass.

5. (Previously Presented) A heat exchanger element according to claim 4, wherein the walls of the pairs of hollow plates are embossed and globally symmetrical, but their medial longitudinal planes are perpendicular to their plane of symmetry.

6. (Previously Presented) A heat exchanger element according to claim 4, wherein the walls of the pairs of hollow plates are embossed and globally symmetrical, but their median longitudinal planes together form dihedrals of 120 to 160° and their end connectors have been made from invertible surfaces.

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Previously Presented) A heat exchanger comprising:

at least one single piece heat exchange element forming a heat exchange surface from a accordion-shaped, single piece, compressed preform produced by thermo-blowing and having biconvex bellows, wherein the at least one single piece heat exchange element internally forms a first confined fluid passage; and

a casing enclosed about the at least one single piece heat exchange element, wherein space between the casing and the at least one single piece heat exchange element forms a second confined fluid passage.

12. (Currently Amended) The heat exchanger of claim 11 wherein each single piece heat exchange element forms an internal common channel and a plurality of stacked pairs of hollow plates communicating through the internal common channel, wherein each hollow plate of a pair is separated from the other hollow plate of the pair by extending in opposition to the other hollow plate of the pair from the internal common channel.